

Commonwealth of Kentucky
Division for Air Quality
EXECUTIVE SUMMARY

FINAL

Title V, Operating

Permit: V-07-005

Dow Corning Corporation

Carrollton, Kentucky 41008

January 24, 2008

Luis D. Fuentes, Reviewer

SOURCE ID: 21-041-00004

SOURCE A.I. #: 703

ACTIVITY ID: APE20040003

SOURCE DESCRIPTION:

Dow Corning Corporation is a synthetic organic chemical manufacturing industry (SOCMI) falling under SIC code Group 28. The primary operation at the Carrollton plant consists of the manufacturing of silicone-based compounds. The primary raw materials at the plant are silicon, methanol, hydrochloric acid, and methyl chloride. The methanol and hydrochloric acid are combined to produce methyl chloride, which is then reacted with the silicon metal to produce various silicone-based chemicals.

The plant also includes several support activities such as Utilities, Waste Treatment, Quality Assurance Laboratories, Barge Unloading, Product Shipping and Research & Development (labs and pilot plants).

U.S. EPA REVIEW:

The U.S. EPA was notified of the issuance of the proposed permit on November 27, 2007 via e-mail. The comment period expired 45 days from the date of e-mail. No comments were received during this period. The permit is now being issued final.